

By

Notice of Allowability	Application No.	Applicant(s)	
	10/092,376	KATSAVOUNIDIS ET AL.	
	Examiner	Art Unit	
	Shawn S An	2613	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/27/2004.
2. ☒ The allowed claim(s) is/are 8-16.
3. ☒ The drawings filed on 05 March 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>10/22, 10/7, 9/4</u> 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____. |
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EXAMINER'S AMENDMENT

1. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

IN THE CLAIMS:

A) Amend the claims 17-21 as follows;

Claims 17-21 (Canceled).

REMARKS:

Claims 17-21 have been amended (canceled) as above, as authorized by Applicant's attorney, David Klein (33,253) by telephone on Nov. 9, 2004.

2. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Shawn S An whose telephone number is 703-305-0099. The Examiner can normally be reached on Flex hours (10).



SSA

Primary Patent Examiner

11/9/04

Reasons for Allowance

Response to Restriction/Election

1. Applicants' election without traverse of species II corresponding to claims 8-21 in the reply filed on 9/27/2004 is acknowledged. Furthermore, Applicants are canceling claims 1-7.

Note: As per Applicants' attorney's request, the Change of Address has been officially entered and filed on 9/27/2004.

Statement of Reasons for Allowance

2. Claims 8-16 are allowed.
3. The following is an Examiner's statement of reasons for allowance:
claims 8-16 recite the novel features of a method of recovering useful data from a video packet that has been corrupted, the method comprising:
receiving the video packet;
ending without recovering data when corruption is detected in a video packet header of the video packet;
ending without recovering data when corruption is detected in a DC portion of the video packet;
ending without recovering data when corruption is detected in a motion vector portion of the video packet;
initiating decoding of the video packet in a forward direction;
maintaining a first count of a number of macroblocks decoded without error in the forward direction;
storing codewords decoded in the forward direction;
storing a first bit location when an error is first detected in the forward directed;
maintaining a second count of a number of macroblocks decoded without error in the reverse direction;

storing codewords decoded in the reverse direction;
storing a second bit location when an error is first detected in the reverse direction;
determining if there is an overlapping region, where the overlapping region corresponds to a region identified in both the forward direction and in the reverse direction as having an error;
if there is an overlapping region, discarding the data in the overlapping region and using the data in a remaining portion of the video packet; and
if there is no overlapping region, discarding the data between a first backtracking amount ahead of the first error location in the forward direction and a second backtracking amount behind the second error location in the first location, and recovering the remaining portion of the video packet.

The art of records fails to anticipate or make obvious the novel features (emphasis added on underlined claim limitations) as discussed above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- A) Levine et al (5,778,191), Method and device for error control of a macro block based video compression technique.
- B) Kazecki et al (5,182,749), Receiver for recovering data in a forward and reverse direction in time.

5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to **Shawn S An** whose telephone number is 703-305-0099. The Examiner can normally be reached on Flex hours (10).

Art Unit: 2613

6. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



SSA

Primary Patent Examiner

11/9/2004